

Algebra 2 Overview

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1 Systems of Equations

This topic contains a review of systems, systems involving 3 variables, matrices and row operations, Gaussian elimination, and the use of a calculator to solve systems of equations.

2 Functions

This topic will contains domain and range of a function, transformations of functions, and the inverse of a function.

3 Absolute Value

This topic contains absolute value equations and inequalities and absolute value graphs.

4 Factoring

This topic contains factoring by using the greatest common factor or 4 term grouping, factoring trinomials, and factoring binomials.

5 Quadratics

This topic contains quadratic equations and systems, completing the square and square roots, quadratic inequalities, the quadratic formula, simplifying radicals, quadratics with imaginary solutions, and applications of quadratics.

6 Exponents

This topic contains simplifying expressions containing exponents, solving equations that contain exponents, simplifying expressions with rational expressions, and properties of radicals.

7 Radicals

This topic contains radical expressions, graphing radical expressions, function operations, and polynomial division.

8 Rationals

This topic contains a review in factoring, graphing rationals, tangency and togetherness, slant asymptote, operations on rational functions, complex rationals, and applications of rationals.

9 Exponentials and Logs

This topic contains graphing exponential and logs, properties of logarithms, solving logarithms, solving exponentials, and natural log and base e, and applications of exponentials and logarithms.